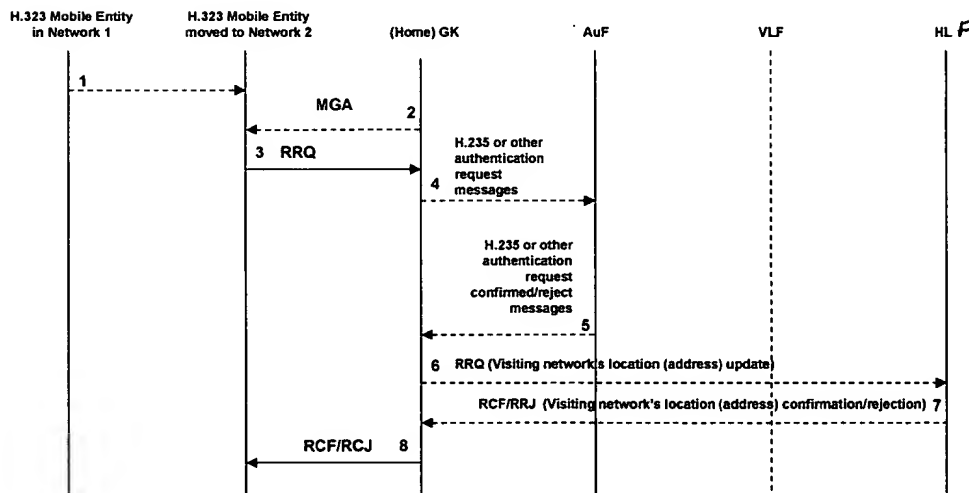


Figure 1: Intra-Zone Mobility Management



Notes: 1. Existing RRQ, RCF, and RRJ messages need to be extended to support mobility as proposed in Reference 2.
2. New messages like MGA need to be defined as proposed in Reference 2.

Figure 2: Information Flows for Location Updates for Roaming within the Home Zone

3.2.4 Distributed HLF Function

The distributed HLF function is a key component of the system. It is responsible for maintaining the location information of the mobile H.323 entity. The distributed HLF function is implemented as a set of distributed databases, each of which stores location information for a specific zone.

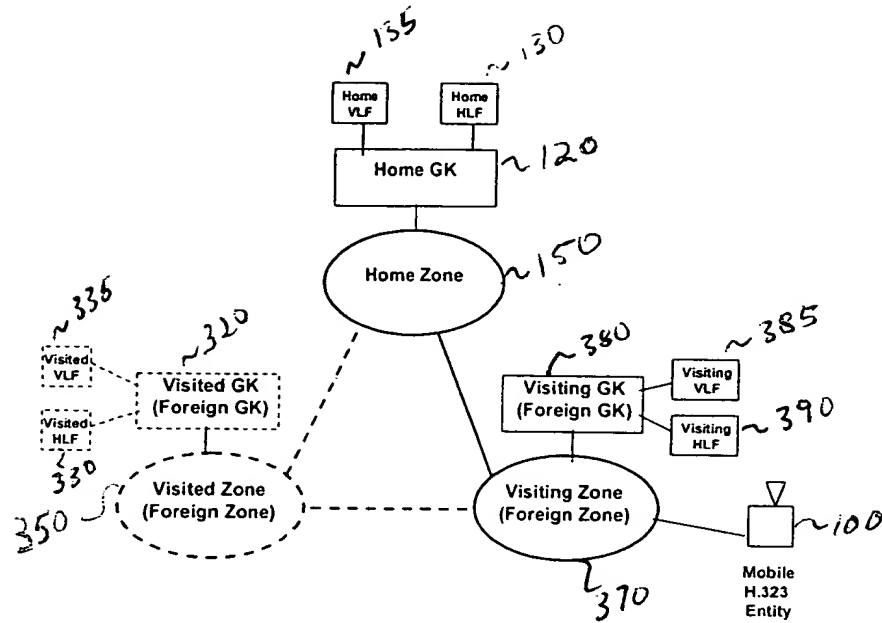


Figure 3: Location Update Management Architecture with Distributive HLF Architecture

Figure 3 shows an example how a mobile H.323 entity can roam from one zone to another and how the system keeps a record of the entity's location. We are describing a scenario where a mobile H.323 entity moves from a visited (foreign) zone to a visiting (foreign) zone.

Figure 4: Location Update Management Information Flows with Distributive HLF Architecture

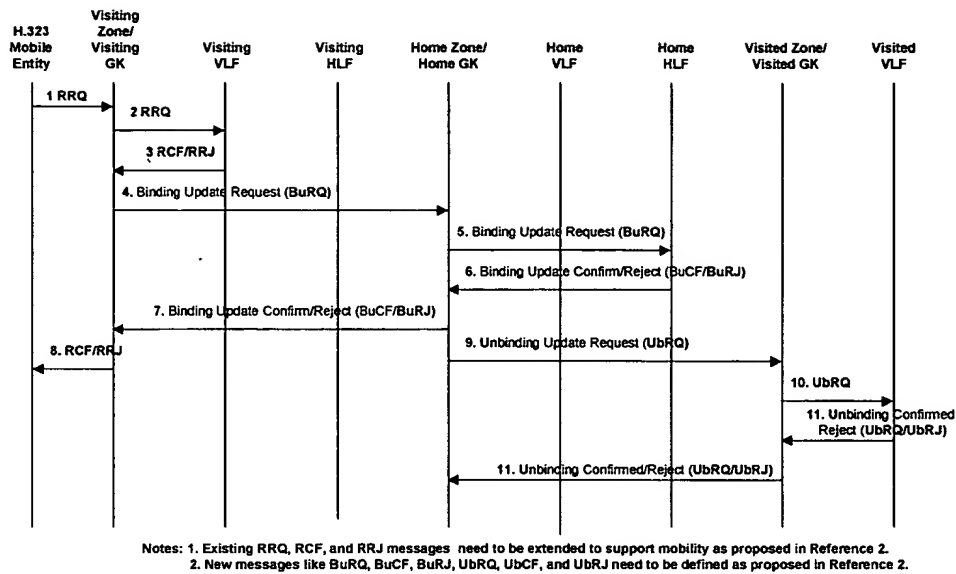
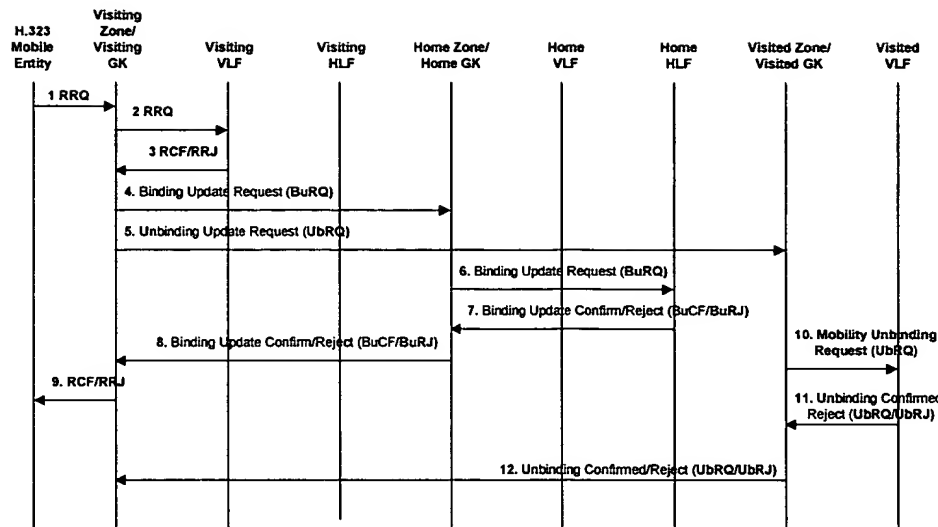


Figure 4: Location Update Management Information Flows with Distributive HLF Architecture



Notes: 1. Existing RRQ, RCF, and RRJ messages need to be extended to support mobility as proposed in Reference 2.
2. New messages like BuRQ, BuCF, BuRJ, UbRQ, UbCF, and UbRJ need to be defined as proposed in Reference 2.

Figure 5: Smooth Location Updates for Signaling Flow Optimization

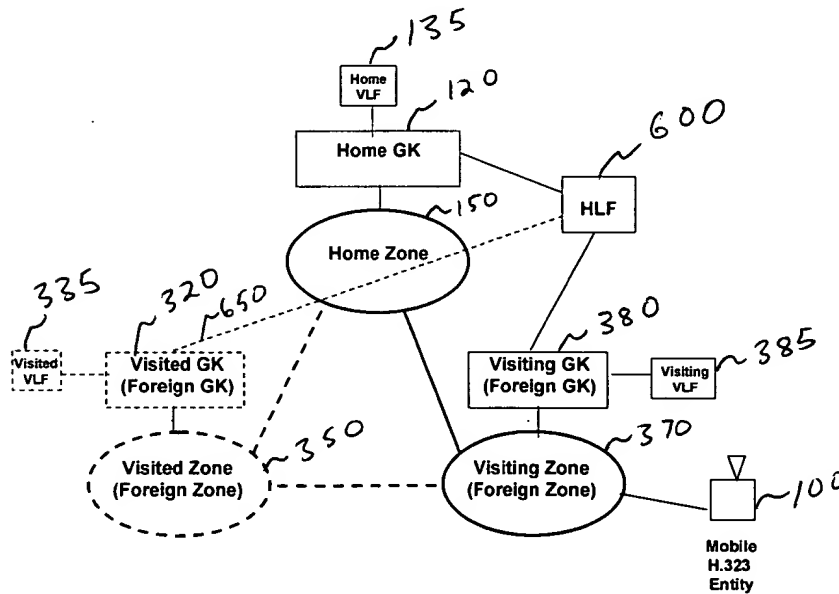
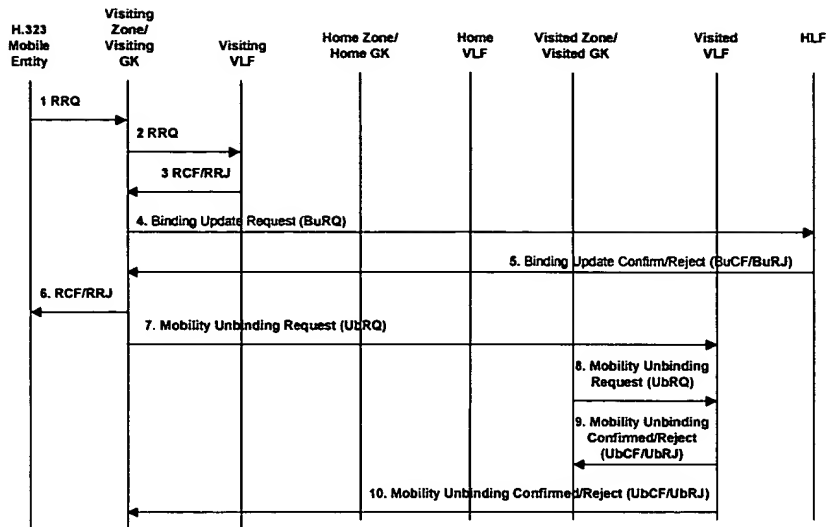


Figure 6: Mobility Management Architecture sharing a single HLF Database in a given Administrative Domain



Notes: 1. Existing RRQ, RCF, and RRJ messages need to be extended to support mobility as proposed in Reference 2.
2. New messages like BuRQ, BuCF, BuRJ, UbRQ, UbCF, and UbRJ need to be defined as proposed in Reference 2.

Figure 7: Location Update Management Information Flows with Centralized HLF Architecture in an Administrative Domain

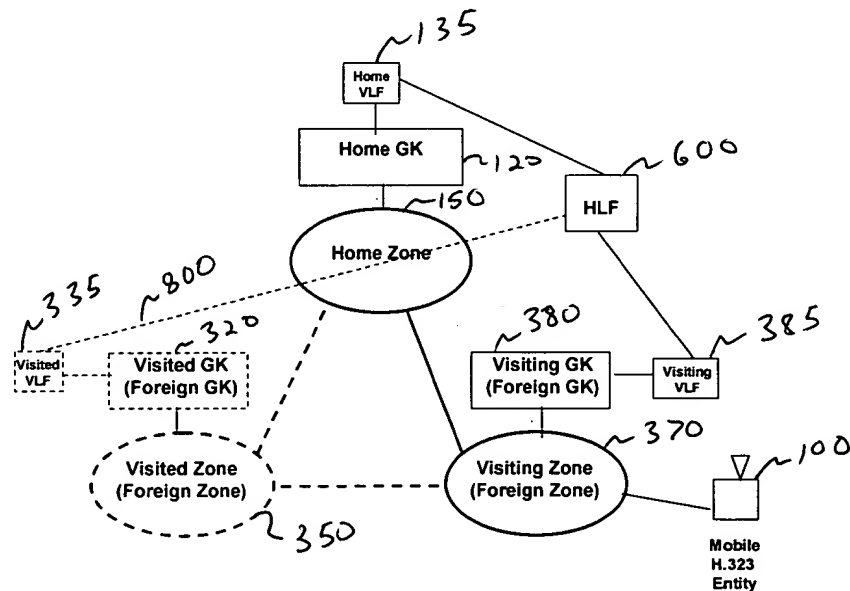
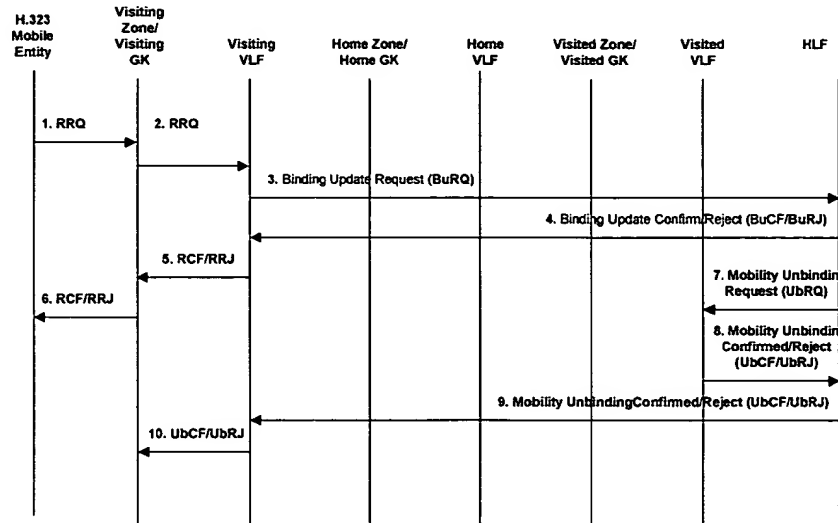


Figure 8: Mobility Management Architecture sharing a single HLF Database in a given Administrative Domain (communications with HLF done via VLF only)



Notes: 1. Existing RRQ, RCF, and RRJ messages need to be extended to support mobility as proposed in Reference 2.
2. New messages like BuRQ, BuCF, BuRJ, UbRQ, UbCF, and UbRJ need to be defined as proposed in Reference 2.

Figure 9: Location Update Management Information Flows with Centralized HLF Architecture in an Administrative Domain where Communications with the HLF are done via the VLFs only